

# INDEX TO VOLUME LXXI

## SUBJECTS

	PAGE
Absorption, Distinction between Scattering and. <i>John Q. Stewart and Serge A. Korff</i> . . . . .	62
Al III and of Al II in Stellar Spectra, Identification of. <i>Otto Struve</i> . . . . .	67
7 $\epsilon$ Aurigae, Preliminary Results of Spectrographic Observations. <i>O. Struve and C. T. Elvey</i> . . . . .	136
Band-Spectrum of He <sub>2</sub> in Stellar Spectra, Search for. <i>O. Struve and A. Christy</i> . . . . .	277
Binaries, Spectroscopic Observation of Eclipsing. <i>Eugene W. Pike</i> . . . . .	70
Chromosphere, Spectrum of. <i>S. A. Mitchell</i> . . . . .	I
Energy-Curve of Sun-Spots, Spectral. <i>Edison Pettit and Seth P. Nicholson</i> . . . . .	153
He <sub>2</sub> in Stellar Spectra, Search for Band-Spectrum of. <i>O. Struve and A. Christy</i> . . . . .	277
Hydrogen Lines in Stellar Spectra, Contours of. <i>C. T. Elvey</i> . . . . .	191
Luminosity Distribution in Elliptical Nebulae. <i>Edwin Hubble</i> . . . . .	231
Lunar Radiation and Temperatures. <i>Edison Pettit and Seth P. Nicholson</i> . . . . .	102
R Lyrae, Radial Velocity of. <i>Roscoe F. Sanford</i> . . . . .	209
Magnitudes, Stellar Absolute, from Distributions of Angular and Linear Peculiar Velocities, Method for Determining Distribution of. <i>Gustaf Strömberg</i> . . . . .	163
Magnitudes, Distribution of Absolute, among K and M Stars Brighter than the Sixth Apparent Magnitude as Determined from Peculiar Velocities. <i>Gustaf Strömberg</i> . . . . .	175
Mg <sup>+</sup> 4481, Rotation of Stars and the Contours of. <i>C. T. Elvey</i> . . . . .	221
Nebulae, Luminosity Distribution in Elliptical. <i>Edwin Hubble</i> . . . . .	231
Notice to Contributors . . . . .	72
Phosphorus in Stellar Spectra. <i>Otto Struve</i> . . . . .	150
Preparation of Abstracts . . . . .	220
Radial Velocity of R Lyrae. <i>Roscoe F. Sanford</i> . . . . .	209
Rayton Short-Focus Spectrograph. <i>Milton L. Humason</i> . . . . .	351
Reviews:	
M. Born and P. Jordan. <i>Elementare Quantenmechanik</i> (Carl Eckart) . . . . .	283
Peter Doig. <i>An Outline of Stellar Astronomy</i> (A. S. Fairley) . . . . .	219
Walter Gerlach. <i>Matter, Electricity, Energy</i> (B. P. Gerasimovič) . . . . .	217
Arthur Edward Ruark and Harold Clayton Urey. <i>Atoms, Molecules and Quanta</i> (Frank Hoyt) . . . . .	218

	PAGE
U Sagittae, Spectrographic Study of. <i>Alfred H. Joy</i> . . . . .	336
Scattering and Absorption, Distinction between. <i>John Q. Stewart</i> and <i>Serge A. Korff</i> . . . . .	62
Spectra, Contours of Hydrogen Lines in Stellar. <i>C. T. Elvey</i> . . . . .	191
Spectra, Identification of Al III and of Al II in Stellar. <i>Otto Struve</i> . . . . .	67
Spectra, Phosphorus in Stellar. <i>Otto Struve</i> . . . . .	150
Spectra of Several Long-Period Variable Stars, Behavior of Bright Lines in. <i>Paul W. Merrill</i> and <i>Cora G. Burwell</i> . . . . .	285
Spectral Energy-Curve of Sun-Spots. <i>Edison Pettit</i> and <i>Seth B. Nicholson</i> . . . . .	153
Spectrograph, Rayton Short-Focus. <i>Milton L. Humason</i> . . . . .	351
Spectrographic Observations of $\gamma$ Aurigae, Preliminary Results. <i>O. Struve</i> and <i>C. T. Elvey</i> . . . . .	136
Spectrographic Study of U Sagittae. <i>Alfred H. Joy</i> . . . . .	336
Spectroheliograph and Its Work. <i>George E. Hale</i> . . . . .	73
Spectroscopic Observation of Eclipsing Binaries. <i>Eugene W. Pike</i> . . . . .	70
Spectrum of the Chromosphere. <i>S. A. Mitchell</i> . . . . .	1
Stars and the Contours of $Mg^{+} 4481$ , Rotation of. <i>C. T. Elvey</i> . . . . .	221
Sun-Spots, Spectral Energy-Curve of. <i>Edison Pettit</i> and <i>Seth B. Nicholson</i> . . . . .	153
Variable Stars, Behavior of Bright Lines in Spectra of Several Long- period. <i>Paul W. Merrill</i> and <i>Cora G. Burwell</i> . . . . .	285
Velocities, Determining Distribution of Stellar Absolute Magnitudes from Distributions of Angular and Linear Peculiar. <i>Gustaf Strömberg</i> . . . . .	163
Velocities, Distribution of Absolute Magnitudes among K and M Stars Brighter than Sixth Apparent Magnitude as Determined from Peculiar. <i>Gustaf Strömberg</i> . . . . .	175

# INDEX TO VOLUME LXXI

## AUTHORS

	PAGE
BURWELL, CORA G., and PAUL W. MERRILL. Behavior of Bright Lines in the Spectra of Several Long-Period Variable Stars . . . . .	285
CHRISTY, A., and O. STRUVE. A Search for the Band Spectrum of He <sub>2</sub> in Stellar Spectra . . . . .	277
ECKART, CARL. Review of: <i>Elementare Quantenmechanik</i> , M. Born and P. Jordan . . . . .	283
ELVEY, C. T. Contours of Hydrogen Lines in Stellar Spectra . . . . .	191
ELVEY, C. T. Rotation of Stars and the Contours of Mg <sup>+</sup> 4481 . . . . .	221
ELVEY, C. T., and O. STRUVE. Preliminary Results of Spectrographic Observations of $\gamma$ Aurigae . . . . .	136
FAIRLEY, A. S. Review of: <i>An Outline of Stellar Astronomy</i> , Peter Doig	219
GERASIMOVIC, B. P. Review of: <i>Matter, Electricity, Energy</i> , Walter Gerlach . . . . .	217
HALE, GEORGE E. The Spectroheliograph and Its Work . . . . .	73
HOYT, FRANK. Review of: <i>Atoms, Molecules and Quanta</i> , Arthur Edward Ruark and Harold Clayton Urey . . . . .	218
HUBBLE, EDWIN. Luminosity Distribution in Elliptical Nebulae . . . . .	231
HUMASON, MILTON L. The Rayton Short-Focus Spectrograph . . . . .	351
JOY, ALFRED H. A Spectrographic Study of U Sagittae . . . . .	336
KORFF, SERGE A., and JOHN Q. STEWART. Distinction between Scattering and Absorption . . . . .	62
MERRILL, PAUL W., and CORA G. BURWELL. Behavior of Bright Lines in the Spectra of Several Long-Period Variable Stars . . . . .	285
MITCHELL, S. A. Spectrum of the Chromosphere . . . . .	I
NICHOLSON, SETH B., and EDISON PETTIT. Lunar Radiation and Temperatures . . . . .	102
NICHOLSON, SETH B., and EDISON PETTIT. Spectral Energy-Curve of Sun-Spots . . . . .	153
PETTIT, EDISON, and SETH B. NICHOLSON. Lunar Radiation and Temperatures . . . . .	102
PETTIT, EDISON, and SETH B. NICHOLSON. Spectral Energy-Curve of Sun-Spots . . . . .	153
PIKE, EUGENE W. A Note on the Spectroscopic Observation of Eclipsing Binaries . . . . .	70
SANFORD, ROSCOE F. On the Radial Velocity of R Lyrae . . . . .	209

	PAGE
STEWART, JOHN Q., and SERGE A. KORFF. Distinction between Scattering and Absorption . . . . .	62
STRÖMBERG, GUSTAF. Distribution of Absolute Magnitudes among K and M Stars Brighter than the Sixth Apparent Magnitude as Determined from Peculiar Velocities . . . . .	175
STRÖMBERG, GUSTAF. A Method for Determining the Distribution of Stellar Absolute Magnitudes from the Distributions of Angular and Linear Peculiar Velocities . . . . .	163
STRUVE, OTTO. Identification of Al III and Al II in Stellar Spectra . . . . .	67
STRUVE, OTTO. Phosphorus in Stellar Spectra . . . . .	150
STRUVE, O., and A. CHRISTY. A Search for the Band-Spectrum of He <sub>2</sub> in Stellar Spectra . . . . .	277
STRUVE, O., and C. T. ELVEY. Preliminary Results of Spectrographic Observations of $\gamma$ Aurigae . . . . .	136

